

LASHKEVICH, A.M.; TERENT'YEVA, A.A.; IVANOVA, L.S.; BORODULINA, M.A.;
VELICHENKO, I.N.; NIKULENKO, V.S.; KONSHINA, T.I.; SHAKHOVA, T.P.;
NYASHINA, A.A.; YASINSKAYA, Z.A.; AGAL'TSEVA, N.B.; SEL'MENSKAYA,
Ye.G.; KRETSMER, V.L.; KONOVOVICH, L.K.; FEDORAYEVA, A.M.; TKACHUK,
L.Ya.; VYATKINA, G.A.; SLOUSHCH, V.S.; RACHINSKAYA, L.N.; PORTNAYA,
R.Yu.; KARAKOVSKAYA, E.M.; POKROVSKAYA, M.A.; KORNEVA, A.I.;
YERSHOVA, K.F., otv. red.; Prinimal uchastiye KAMANOV, M.I., red.;
LAGAREVA, A.P., otv. za vypusk; NIKITINA, I.P., tekhn. red.

[Economy of Novosibirsk Province; collection of statistics] Narodnoe
khoziaistvo Novosibirsкоi oblasti; statisticheskii sbornik. Novo-
sibirsk, Gosstatizdat TsSU SSSR, 1961. 331 p. (MIRA 15:6)

1. Novosibirsk. Oblastnoye statisticheskoye upravleniye. 2. Na-
chal'nik Statisticheskogo Upravleniya Novosibirsкоy oblasti (for
Yershov). 3. Zamestitel' nachal'nika Statisticheskogo Upravleniya
Novosibirsкоy oblasti (for Kamanov).

(Novosibirsk Province—Economic conditions)

YASINSKAYA, Yo.U.

Semi-Euclidean and semi-non-Euclidean spaces. Dokl.AN SSSR 137
no.6:1327-1330 Ap '61. (MIRA 14:4)

U.S. Chernovitskiy gosudarstvennyy universitet. Predstavлено
akademikom I.G.Petrovskim.
(Spaces, Generalized)

YASINSKAYA, Ye.U.

Metric invariants of equations describing quadrics and pairs
of planes in semi-non-Euclidean spaces. Trudy Sem.po vekt.i
(MIRA 16:6)
tenz.anal. no.12:315-337 '63.
(Geometry, Non-Euclidean) (Quadrics) (Invariants)

YASINSKENE, E. I.

USSR/Chemistry

Card 1/1 Pub. 151 - 10/36

Authors : Yatsimirskiy, K. B., and Yasinskene, E. I.

Title : The kinetics of aquation of Cr urea complexes

Periodical : Zhur. ob. khim. 24/1, 55-61, Jan 1954

Abstract : The constants of the rate of reaction leading to the aquation of hexaurea-chromion in an aqueous solution were measured at 30, 40, 50 and 60° temperatures. The activation energy was computed. The rate of reaction of hexaurea-chromion activation was also investigated by an optical method and the results are listed. Seven references: 4-USA; 2-USSR and 1-German (1903-1952). Tables; graphs.

Institution : The Chemical-Technological Institute, Ivanovo

Submitted : September 14, 1953

The kinetics and mechanism of the formation of urea complex compound from trivalent chromium. K. B. Yerushalayim et al., J. Am. Chem. Soc., 61, 435, 1939. The reaction of Cr acetate with urea was studied photometrically. The following equil. was discovered. $\text{Cr}(\text{H}_2\text{O})_6^{3+} + \text{Cr}(\text{NH}_3)_6^{3+} \rightleftharpoons \text{Cr}(\text{CO})(\text{NH}_3)_5\text{H}_2\text{O}^{2+} + \text{H}_2\text{O}$. The equilibrium const. K_1 of the monomer-dimer equilibrium was determined. The value of K_1 was found to be 1.0 at 25°C. The equilibrium constant K_2 of the dimer-trimer equilibrium was also determined. The value of K_2 was found to be 1.0 at 25°C.

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Ivanov Chem-Tech. Inst.

YASINSKENE, E.I., Cand Chem Sci—(diss) "Study of complex compounds of chromium (III), iron (III), and titanium (III) with urea." Vil'nyus, 1958. 20 pp (Vil'nyus State U im Kapsukas. Chemical Faculty. Chair of Inorganic Chemistry), 100 copies (WJ, 22-58, 103)

-33-

5(2)

AUTHORS:

Yasinskene, E. I., Yatsimirskiy, K. B. SOV/153-58-2-6/30

TITLE:

Examination of the Complex Compounds of Iron (III) and
Titanium (III) With Urea (Issledovaniye kompleksnykh
soyedineniy zheleza (III) i titana (III) s mochevinoy)

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya
tekhnologiya, 1958, Nr 2, pp 31-35 (USSR)

ABSTRACT:

When mixing a diluted iron (III) nitrate solution with urea there is no perceptible change of color. This prevents a direct examination of such systems by measuring the optical density of solutions with different urea concentrations. On the other hand, it has been stated that the color intensity of solutions of the iron rhodanide complexes decreases more distinctly by an addition of urea solution than by a dilution with equal quantities of water. This could only be explained by the formation of an iron urea compound. Therefore, the iron (III) compounds with urea have been studied by means of decolorizing the solutions which contain iron rhodanide complexes. A literature survey on the latter is given (Refs 1-6).

Card 1/3

Examination of the Complex Compounds of Iron (III)
and Titanium (III) With Urea

SOV/153-58-2-6/30

From this, it has become obvious that it is possible to make a solution in which the complex FeSCN^{2+} will be predominantly present. For their calculations, the authors required a knowledge of the instability constant of the iron (III) rhodanide complex $K_{\text{FeSCN}^{2+}}$.

C o n c l u s i o n s : The authors have studied the system $\text{Fe}^{3+}-\text{SCN}^--\text{CON}_2\text{H}_4$ by means of the optical method. They determined the formation of complex compounds in the solution: $\text{FeCON}_2\text{H}_4^{3+}$ and $\text{Fe}(\text{CON}_2\text{H}_4)_2^{3+}$. The instability constants of these complexes were determined as 1.01 and 2.00, respectively; the ionic strength being 0.103 and the temperature 18-20°.

2) Urea-containing, diluted, acid TiCl_3 -solutions have been studied. The formation of a complex compound $\text{Ti}(\text{CON}_2\text{H}_4)^{3+}$ in the solution was determined; its instability constant at the ionic strength 0.261 and at 18-20° was $k = 2.69$.

Card 2/3

Examination of the Complex Compounds of Iron (III) SOV/153-58-2-6/30
and Titanium (III) With Urea

There are 4 figures, 2 tables, and 11 references, 5 of which
are Soviet.

ASSOCIATION: Vil'nyusskiy gosudarstvennyy universitet im. V. Kapsukasa i
Ivanovskiy khimiko-tehnologicheskiy institut
(Vilnius State University imeni V. Kapsukas and Ivanovo
Chemical-Technological Institute)
Kafedra analiticheskoy khimii
(Chair of Analytical Chemistry)

SUBMITTED: September 10, 1957

Card 3/3

YASINSKENE, E.I. [Jasinskene, E.]; BIRMANAS, I.I. [Birmanas, J.];
REKLITE, V.V. [Reklyte, V.]

Determination of microquantities of iron and silver by oxidation
of pyrocatechol violet with potassium peroxysulfate. Trudy AN Lit.
SSR. Ser. B no.3:81-90 '64. (MIRA 18:5)

1. Vil'nyusskiy gosudarstvennyy universitet im. V. Kapsukasa.

BIRMANAS, J.I.; YASINSKENE, E.I. [Jasinskiene, E.]

Photometric determination of microquantities of iron by means
of pyrocatechol violet. Zhur. anal. khim. 20 no.7:811-813 '65.
(MIRA 18:9)

I. V. Kapsukas Vilnius State University.

YASINSKENE, E.I. [Jasinskiene, E.]; YANKAUSKENE, E.K. [Jankauskiene, E.]

Determination of microgram quantities of silver by a kinetic method (by oxidation of cadion of the Institute of Chemical Reagents by potassium persulfate) in the presence of some derivatives of pyridine in solution. Trudy AN Lit. SSR. Ser. B no. 4:113-120 '65 (MIRA 19:2)

1. Vil'nyusskiy gosudarstvennyy universitet imeni V. Kapsukasa.
Submitted May 22, 1965.

YASINSKIY, Aleksandr Dmitriyevich, inzh.; GULYAYEV, K.N., red.

[How to increase the output of merchantable lumber] Kak
povysit' vkhod delovoi drevesiny. Vologda, Vologodskoe
knizhnoe izd-vo, 1963. 108 p. (MIRA 18:5)

YASINSKIY, A.G.; ZHBAKOV, N.A.; GRIBKOV, A.M.; GRIBIN, G.P., otv.red.;
PEVZNER, A.S., zav.red.izd-va; BOROVNEV, N.K., tekhn.red.

[Uniform time and pay standards for construction, assembly, and repair operations in 1960] Edinyye normy i rastsenki na stroitel'nye, montazhnye i remontno-stroitel'nye raboty, 1960 g. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam. Sbornik 25. [Assembling equipment for petroleum refinaries] Montazh oborudovaniia neftepererabatyvaiushchikh zavodov. 1960. 37 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. TSentral'noye normativno-issledovatel'skoye byuro Ministerstva stroitel'stva RSFSR (for Zhbanov, Gribkov). (Wages) (Petroleum refineries--Equipment and supplies)

YASINSKIY, A. V.

OSTROVSKAYA, Sh. M.; YASINSKIY, A. V.; KHASHIMOV, D. M. dotsent

Epidemiology of Q fever in a city of Tajikistan. Sov. med. 19 no.11:
41-45 N '55 (MLRA 9:1)

1. Iz Tadzhikskogo instituta epidemiologii, mikrobiologii i gigiyeny
(dir. R. M. Chernyavskaya).
(Q FEVER, epidemiology,
in Russia)

YASINSKIY, A.V.
OSTROVSKAYA, Sh.M.; SHAPIRO, S.Ye.; LOTOTSKIY, B.V.; YASINSKIY, A.V.

Natural reservoir of Q fever and possibilities of studying it in
Tajikistan. Izv.Otd.est.nauk AN Tadzh.SSR no.11:101-107 '55.
(MLRA 9:10)

1.Tadzhikskiy institut epidemiologii, mikrobiologii i gigiyeny,
Institut zoologii i parazitologii imeni akademika Ye.N.Pavlovskego
Akademii nauk Tadzhikskey SSR. i Tadzhikskiy institut malyarii i
meditsinskoy parazitologii.

(TAJIKISTAN--Q FEVER)

OSTROVSKAYA, Sh. M.; YASINSKIY, A.V.; SURKOVA, D.F.

Materials on the epidemiology of Q fever in Tajikistan. Zdrav.
Tadzh. 3 no.2:27-30 Mr-Ap '56 (MIRA 12:7)

1. Iz Stalinabadskogo Instituta epidemiologii i gigiyeny (dir. -
dotsent M.Ya. Rasulov).
(TAJIKISTAN--Q FEVER)

OSTROVSKAYA, Sh.M.; YASINSKIY, A.V.; SURKOVA, D.F.

Results of a four-year study of Q fever in Tajikistan from 1953
to 1956. Zdrav.Tadzh. 6 no.4:18-22 Jl-Ag '59. (MIRA 12:11)

1. Iz Stalinabadskogo instituta epidemiologii i gigiyeny.
(TAJIKISTAN--Q FEVER)

YASINSKIY, A.V.; ARSKIY, V.G.; DEGTYAREV, Yu.L.

Control of dysentery in areas of transmigration by inhabitants
of the mountain districts of Tajikistan. Zdrav. Tadzh. 7
no. 2:19-22 Mr-Ap '60. (MIRA 13:10)

1. Iz Stalinabadskogo instituta epidemiologii i gigiyeny.
(TAJIKISTAN--DYSENTERY)

ARSKIY, V.G.; AKHMEDOV, Z.Z.; YASINSKIY, A.V.

Use of the phage titer growth reaction for the diagnosis of chronic dysentery. Zdrav. Tadzh. 8 no. 2:8-11 '61. (MIRA 14:4)

- 1. Iz Stalinabadskogo instituta epidemiologii i gigiyeny i Respublikanskoy klinicheskoy bol'nitsy.
(DYSENTERY)

ARSKIY, V.G.; GADZHEY, Ye.F.; ZATSEPIN, N.I.; YASINSKIY, A.V.

Role of flies in the seasonal character of dysentery. Zhur.
mikrobiol. epid. i immun. 32 no.6:27-32 Je '61. (MIRA 15:5)

1. Iz Stalinabadskogo instituta epidemiologii i gigiyeny.
(DYSENTERY) (FLIES AS CARRIERS OF DISEASE)

RAPOPORT, L.G.; YASINSKIY, A.V.

Encephalitis of unclear etiology in the Gissar Valley. Zdrav. Tadzh.
9 no.1:25-27 Ja-F '62. (MIRA 15:4)

1. Iz Dushanbinskogo instituta epidemiologii i gigiyeny.
(GISSAR VALLEY--ENCEPHALITIS)

YASINSKIY, A.V.; ARSKIY, V.G.; BAK, R.G.; LAZEYEVA, A.F.

System of measures for sanitation in sections with an increased
dysentery incidence in Dushanbe. Zdrav.Tadzh. 9 no.3:32-36 My-Je
'62. (MIRA 15:8)

(DUSHANBE--DYSENTERY)

YASINSKIY, B.

Measures for developing the production of charcoal. Gidroliz.
1 lesokhim. prom. 14 no. 1:29-30 '61. (MIRA 14:1)
(Charcoal)

GRISHINA, V., inzh.; YASINSKIY, B., inzh.

Economical designs for nursery schools. Sel'. stroi. [i.e.16]
no.3: insert 5-8 Mr '62. (MIRA 15:7)
(Nursery schools)

YASINSKIY, B.N.

1. GANSHIN, A. A., YASINSKIY, B. N.
2. USSR (600)
4. Lumber-Drying
7. Improve the operation of retort drying rooms. Der. i lesokhim. prom 1 no. 3 1952.
9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

GURICH, N.A.; YASINSKIY, B.N.

Transportation and storage of oleoresins. Gidroliz. i lesokhim.
prom. 8 no.2:8-9 '55. (MIRA 8:10)

1. TSentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy institut (for Gurich). 2. Glavlesakhim(for Yasinskiy)
(Oleoresins--Transportation)

YASINSKIY, B.N.

Interfactory school for the control of corrosion in wood-chemistry equipment. Gidroliz.i lesokhim.prom. 12 no.2:31-32 '59.
(MIRA 12:3)

1. Glavnnyy spetsialist Gosudarstvennogo nauchno-tehnicheskogo komiteta Soveta Ministrov RSFSR.
(Wood--Chemistry) (Corrosion and antcorrosives)

SKVORTSOV, Semen Osipovich; YASINSKIY, B.N., red.; BRATISHKO, L.V.,
tekhn.red.

[Progressive practice in the production of formalin] Perekovoi
opyt v formalinovom proizvodstve. Khimki, Mosk.obl., Tsentr.
nauchno-issl.lesokhim.in-t, 1959. 50 p.
(Formaldehyde) (MIRA 13:12)

YASINSKIY, B.N., inzh.

Ways of utilizing wood waste as fuel and a source of chemical products. [Trudy] NTO bum.i der.prom. no.8:267-277 '59.

(MIRA 16:2)

(Wood waste)

(Wood--Chemistry)

YASINSKIY, B.N.

Mechanization and automatic control in the wood chemistry
industry. Gidroliz.i lesokhim.prom. 13 no.1:3-4 '60.
(MIRA 13:5)

1. Gosudarstvennyy nauchno-tehnicheskiy komitet Soveta
Ministrov RSFSR.
(Wood-using industries) (Automatic control)

YASINSKIY, B.N.

Measures to be taken for improving the economy and increasing
the production of wood resin. Gidroliz.i lesokhim.prom.
13 no.3:31-32 '60. (MIRA 13:7)

1. Gosudarstvennyy nauchno-tehnicheskiy komitet Soveta
ministrov RSFSR.
(Gums and resins)

MIKHAYLOV, Mikhail Ivanovich; YASINSKIY, Boris Nikolayevich; KHLYZOV, A.N.,
red.; MIKHAYLOVA, L.G., red. izd-va; PARAKHINA, N.L., tekhn. red.

[Prospects for the growth of the hydrolysis and wood chemistry industry]
Perspektivy razvitiia lesokhimicheskoi i gidrolyznoi promyshlennosti.
Moskva, Goslesbumizdat, 1960. 54 p. (MIRA 14:7)
(Wood--Chemistry) (Hydrolysis)

KACHELKIN, Leonid Ivanovich; GUSARCHUK, D.M., red.; KSENOFONTOV, I.A.,
red.; YASINSKIY, B.N., red.; MYAKUSHKO, V.P., red.izd-va;
SHIBKOVA, R.Ye., tekhn.red.

[Complete utilization of wood waste] Kompleksnoe ispol'zovanie
otkhodov drevesiny. Moskva, Goslesbumizdat, 1961. 201 p.
(MIRA 15:5)

1. Moscow. Vystavka dostizheniy narodnogo khozyaystva SSSR.
2. Tsentral'nyy nauchno-issledovatel'skiy institut mekhanizatsii i energetiki lesnoy promyshlennosti (for Kachelkin).
(Wood-using industries)
(Wood waster)

YASINSKIY, B. V.
YASINSKIY, B.V. (Khar'kov)

Use of kellin preparations in ureteral calculi. Vrach.delo
supplement '57:64 (MIRA 11:3)

1. Urologicheskaya klinika (zav.-prof. G.Ya. Alapin) Ukrainskogo
instituta usovershenstvovaniya vrachey i Khar'kovskiy khimiko-
farmatsevticheskiy nauchno-issledovatel'skiy institut.
(AUTONOMIC DRUGS) (CALCULI, URINARY)

YASINSKIY, B. V., Candidate Med Sci (diss) -- "Some methods of conservative treatment of urolithiasis". Khar'kov, 1959. 16 pp (Khar'kov State Med Inst), 200 copies (KL, No 24, 1959, 153)

YASINSKIY, B.V. (Khar'kov)

Passage of ureteral calculi under the effects of Ammi visnaga. Uro-
logia 24 no.4:15-18 Jl-Ag '59. (MIRA 12:12)

1. Iz urologicheskoy kliniki (zav. prof. G.Ya. Alapin) Ukrainskogo
instituta usovershenstvovaniya vrachey i Khar'kovskogo khimiko-far-
matsevticheskogo instituta.

(KHELLIN therapy)

(URINARY CALCULI therapy)

YASINSKIY, B.V.

Change in the blood protein formula in nephrolithiasis.

Nauch.trudy Riaz.med.inst. 18 no.2:357-361 '64.

(MIRA 19:1)

1. YASINSKIY, D.S.
2. USSR (600)
4. Technology
7. Selected works on the durability of compressed rods. Moskva, Gostekhizdat, 1952
9. Monthly List of Russian Accessions, Library of Congress, March, 1953. Unclassified.

3/147/29/000/04/020/020
E031/2415

AUTHOR: Zolotukhin, V.K.

TITLE: The Scientific-Technical Conference at Khar'kov
Aviation Institute

PERIODICAL: Izvestiya Vsesoyuznogo uchebno-kazacheskogo svedeniya Aviaticheskoy nauchno-tekhnicheskoy Akademii, 1959, No. 4, pp. 161-165 (USSR)

ABSTRACT: In May, 1959, the 16th Conference of Professional and Technical Staff took place.

The Technology of Aircraft Construction and Metal Workshops Section. "New Model of the Plasticity of Metals" by Instructor, Candidate of Technical Sciences I.M. Maksatov; "The Forging Extrusion of Large Components from Sheet Metals" by Aspirant A.P. Balukov; On the Problem of Constructing Second Order Curves in Aircraft Constructions by Senior Instructor M.A. Mardanov; "The Electric Contact Welding of Thin Pieces of Metal" by Aspirant N.M. Ternov; "The Influence of Plastic Deformation on the Properties of Austenitic Stainless Steel at Various Temperatures" by Assistant N.V. Pletnev; "The Deformation of Non-ferrous Metals and Alloys at Low Temperature" by Assistant M.M. Mironchikova; "The Investigation of Phase Changes in Austenitic Steels Previously Deformed at Below Freezing Point" by Candidates of Technical Sciences A.M. Chumilov and Aspirant V.P. Martynov; "The Influence of the Turn and Welding on the Deformation of the Fuselage of an Automatic Glider" by Candidate of Technical Sciences A.N. Achitskikh and Pavlov Y.P. Matyrygorin; "The Determination of Optimum Technical Groups in Design and Production of Aircraft" by Assistant

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Yu.A. Dobrovolski. "On the Use of Explosives in the Technology of Drop Forging" by Aspirant S.I. Zaytsev; "Welding by Friction" by Aspirant N.P. Ostrovskiy; Structure of Aircraft Section; "The Structure of Aircraft Sections of Protection" by Doctor P.V. Dobrovolski; "On the Problem of Protection" by Doctor P.V. Dobrovolski; "The Effect of Protection from Aerodynamic Heating" by Candidate of Technical Sciences E.G. Yelchinskii; "Passivity Methods of Protection from Aerodynamic Heating" by Candidate of Technical Sciences E.G. Yelchinskii; "The Influence of the Parameters of the Thermally Insulated Packets on Heat Transfer Characteristics" by Assistant A.I. Khlybovskiy; "Aircraft Structures Made from Fiberglass Sheets" by Doctor Candidate of Technical Sciences S.L. Kusik; "An Apparatus for Investigating Repeated Static Loading and High Temperature by Assistant L.A. Malashenko; "The Approximate Calculation of the Weight Taking into Account the Technical Features of the Aircraft Structure" by Candidate of Technical Sciences L.D. Aronov; "The Determination of Stresses in a Shell as a Result of Riveting" by Aspirant Card 10/11 I.N. Gulyaeva; "The Ultrasonic Altimeter (Sounding Device)" by The Scientific-Technical Conference at Khar'kov Aviation Institute and The Radio-Control and Autopilot of an Experimental Model" by Engineer I.Z. Teplov.

-2/-

11.7000
10.5200

28815

S/147/61/000/003/004/017
E191/E381

AUTHOR: Yasinskiy, F.G.

TITLE: Range in the gliding of a winged flying machine with
cosmic velocity

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,
Aviatsionnaya tekhnika, no. 3, 1961, pp. 31 - 37

TEXT: To find the longest range for a gliding trajectory
of a winged flying machine having speeds approaching the cosmic
velocity constitutes a variational problem leading to a form of
Euler-Lagrange equations, for which there is no explicit
solution. Other authors have obtained explicit solutions after
making simplifying assumptions, applicable to certain definite
trajectories. The same problem is treated in the present paper
with fewer limitations. In all cases, the power plant is not in
operation. Smooth, quasi-stationary re-entry of the flying
machine into the atmosphere is assumed during which axial load
factors do not exceed the value of .5. It is assumed that the
altitude of gliding does not exceed 75 km, so that a change in
gravity-acceleration is ignored. The equation of the polar curve
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S/147/61/000/003/004/017
E191/E381

Range in the gliding

of the flying machine is parabolic. A constant minimum drag is usually assumed. The factor of the lift term in the total drag equation is also assumed constant even at high velocity and even for a winged machine. The atmosphere is considered isothermal. The equations of motion are examined and the consequences of the limited axial load factor are shown to be further simplifications in the equations, apart from a very small gliding angle (below 2°). Gliding at a constant height leads to a simple method for finding the maximum range as a function of the altitude of gliding for each initial velocity. Gliding with a constant lift coefficient also leads to simple solutions illustrated in a graph of the range against the initial velocity. Gliding at a constant angle of slope of the trajectory to the local horizon yields a solution in explicit form, which agrees well with the exact solution obtained by numerical integration of the initial system of equations. The gliding trajectory is a logarithmic spiral. The agreement with the exact solution is good when the L/D ratio is high.

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S/147/61/000/003/004/017
E191/E381

Range in the gliding

There are 3 figures and 5 Soviet-bloc references; two of the references are Russian translations of publications by non-Soviet authors.

ASSOCIATION: Khar'kovskiy aviatsionnyy institut,
Kafedra konstruktsiy letatel'nykh apparatov
(Khar'kov Aviation Institute, Department of
Aircraft Construction)

SUBMITTED: April 18, 1961

Card 3/3

39781
S/147/62/000/002/012/020
E201/E135

26.5700

AUTHOR: Yasinskiy, F.G.

TITLE: Heating of sandwich plates

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy.
Aviatsionnaya tekhnika, no.2, 1962, 95-101

TEXT: A three-layer sandwich plate is considered. The inner metal layer is protected by external insulating skins. The thermal capacity of the inner layer is given by

$$c_o = c_o \delta_o \gamma_o$$

where: c_o - thermal capacity of the material of the inner (metal) layer; δ_o - its thickness; γ_o - its specific weight; (see Fig.1). The following simplifications are made: δ_o is infinitely small; c_o is infinitely large; the area of the plate is infinitely large. Passage of heat into the plate is by convection; the thermal properties remain constant. At any instant the temperature of the inner layer is equal to the temperature of the inner surfaces of the protecting skins.

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Heating of sandwich plates

S/147/62/000/002/012/020
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Using Laplace's equation ∞

$$\bar{T}(x, p) = \int_0^\infty e^{-pt} T(x, t) dt$$

the following boundary equations for the protecting skins can be written:

$$\frac{d^2\bar{T}_1}{dx^2} - \frac{p}{a_1} \bar{T}_1 = - \frac{T_{01}(x)}{a_1} \quad (1')$$

$$\frac{d^2\bar{T}_2}{dx^2} - \frac{p}{a_2} \bar{T}_2 = - \frac{T_{02}(x)}{a_2} \quad (2')$$

$$-\frac{\lambda_1}{\alpha} \left(\frac{d\bar{T}_1}{dx} \right)_{x=-\delta_1} = \frac{T_H}{p} - (\bar{T}_1)_{x=-\delta_1} \quad (3')$$

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Heating of sandwich plates

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E201/E135

$$\lambda_1 \left(\frac{d\bar{T}_1}{dx} \right)_{x=0} = \lambda_2 \left(\frac{d\bar{T}_2}{dx} \right)_{x=0} - c_0 p (\bar{T}_1)_{x=0} + c_0 T_{20} \quad (4')$$

$$(\bar{T}_1)_{x=0} = (\bar{T}_2)_{x=0} \quad (5')$$

$$\left(\frac{d\bar{T}_2}{dx} \right)_{x=\delta_2} = 0 \quad (6')$$

where: $T = T(x, t)$ - temperature of the plate; $a = \lambda/c\gamma$; λ - coefficient of thermal conductivity; α - coefficient of thermal irradiation; T_H - temperature of air in contact with the outer layer of the upper skin; 1 and 2 denote upper and lower skin respectively.

Using theorem of distribution (Lykov, A.V. Teoriya teploprovodnosti (Theory of Thermal Conductivity) Gostekhizdat, 1952) the author expresses temperatures by the following equations:

Card 3/5

S/147/62/000/002/012/020
E201/E135

Heating of sandwich plates

$$T_1(x, t) = T_H + \sum_{n=1}^{\infty} \frac{\Phi_1(p_n, x)}{p_n \Psi'(p_n)} e^{p_n t} \quad (7')$$

$$T_2(x, t) = T_H + \sum_{n=1}^{\infty} \frac{\Phi_2(p_n, x)}{p_n \Psi'(p_n)} e^{p_n t} \quad (8')$$

Solving these, he comes to the conclusion that the temperature distribution in the upper skin is linear, and in the lower is given by a cosine curve. If the thermal capacity of the lower skin is small, then the temperatures at the end of one short interval, $T_1|_{x=-\delta_1}, T_1|_{x=0} = T_2|_{x=0}, T_2|_{x=\delta_2}$

can be taken as initial temperatures T_{10}, T_{20} and T_{30} for the following interval.

There is 1 figure.

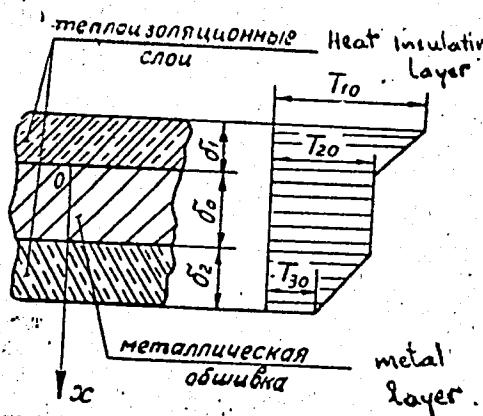
Card 4/5

Heating of sandwich plates

S/147/62/000/002/012/020
E201/E135

ASSOCIATION: Kafedra konstruktsii letatel'nykh apparatov,
Khar'kovskiy aviationskiy institut (Department of
Aircraft Design, Khar'kov Aviation Institute).
SUBMITTED: February 3, 1962.

Fig.1



Card 5/5

X

L 13667-63 EPR/EWP(r)/EPA(b)/EWF(j)/EPF(c)/EWT(1)/EWT(m)/BIS/T-2/
ES(v)/ES(w)-2 AFFTC/ASD/SSD Pg-4/Pd-4/Fc-4/Pr-4/Pe-4/Pab-4 RM/NW/JW

ACCESSION NR: AP3004717

S/0147/63/000/002/0022/0023

90

AUTHOR: Yasinskiy, F. G.

TITLE: Approximate calculation of the heating of a metal skin with an external heat-insulating layer

SOURCE: IVUZ. Aviats. tekhnika, no. 2, 1963, 22-23

TOPIC TAGS: aerodynamic heating, radiation heating, heat transfer, heat-transfer coefficient, heat conduction, thermal protection, temperature distribution

ABSTRACT: The problem of the aerodynamic heating of a load-carrying metal surface covered with a heat-protective coating is studied. A method is outlined for the approximate determination of the metal-skin and protective-coating temperatures. It is based on the subdivision of the heating time into intervals within the limits of which the boundary-layer heat-transfer coefficient and temperature are assumed to be constant. By applying the method outlined by A. I. Veinik (Priblizhennyj raschet protsessov teploprovodnosti. Gosenergoizdat, 1959) to every time interval, simple expressions are obtained for the temperature of the metal skin and external heat-insulator surface. The case of an aircraft flying

Cord 1/2

L 13667-63

ACCESSION NR: AP3004717

at a maximum speed of 4-5M is considered, and the temperature distribution in the metal and protective coating is given in graphs. Numerical examples are given for titanium skin thicknesses of 0.001 and 0.002 m. The maximum error does not exceed 2-3%. Orig. art. has: 5 figures and 24 formulas.

ASSOCIATION: none

SUBMITTED: 24Sep62

DATE ACQ: 06Sep63

ENCL: 00

SUB CODE: AI

NO REF SOV: 005

OTHER: 000

Card 2/2

YASINSKIY, F.N.

Application of the Monte Carlo method for studying flows of
viscous liquids. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7
no.6:1024-1025 '64. (MIRA 18:5)

1. Ivanovskiy khimiko-tehnologicheskiy institut, kafedra
teoreticheskoy mekhaniki i soprotivleniya materialov.

ACCESSION NR: AP4019083

S/0170/64/000/003/0105/0110

AUTHOR: Yasinskiy, F. N.

TITLE: Approximate integration of gas dynamics equations

SOURCE: Inzhenerno-fizicheskiy zhurnal, no. 3, 1964, 105-110

TOPIC TAGS: gas dynamics equation, statistical test method, mathematical integration, multiple integral, digital computer

ABSTRACT: The paper presents a method for finding approximate analytical solutions to a system of gas dynamics equations. The solution is constructed in the form of analytical functions involving a certain number of coefficients to be evaluated. The latter are expressed in terms of multiple integrals whose multiplicity is equal to the total number of coefficients to be determined. Multiple integrals may be obtained with digital computers, using the method of statistical tests. A method is shown whereby lengthy computations can be drastically reduced. The motion of a medium at high densities, temperatures, and pressures is considered. The method is illustrated by a moderate flow with radiative heat transfer. Orig. article has 17 formulas.

Card 1/2

ACCESSION NR: AP4019083

ASSOCIATION: Khimiko-tekhnologicheskiy institut, Ivanovo (Chemical Technological Institute)

SUBMITTED: 01Feb63

DATE ACQ: 27Mar64

ENCL: 00

SUB CODE: AI, PH, MM

NO REF SOV: 009

OTHER: 001

Card 2/2

L 42406-65 EWT(d)/EWT(l)/EWP(m)/EWA(d)/FCS(k)/EWA(1) Pd-1 IWP(c)
ACCESSION NR: AP5006381 S/0153/64/007/006/1024/1025-
14
15

AUTHOR: Yasinskiy, F. N.

TITLE: The use of the Monte Carlo method in studying the flow of viscous fluids

SOURCE: IVUZ. Khimiya i khimicheskaya tekhnologiya, v. 7, no. 6, 1964, 1024-1025

TOPIC TAGS: Monte Carlo method, computer research

ABSTRACT: The two dimensional flow of viscous incompressible fluids is described by the equation

$$\rho = -v \Delta \psi - \frac{\partial \psi}{\partial x_1} \cdot \frac{\partial \Delta \psi}{\partial x_2} + \frac{\partial \psi}{\partial x_2} \cdot \frac{\partial \Delta \psi}{\partial x_1} = 0 \quad (1)$$

where ψ is the current function, $u_1 = \frac{\partial \psi}{\partial x_1}$, $u_2 = -\frac{\partial \psi}{\partial x_2}$ are the velocity vector components along coordinates x_1 and x_2 respectively and v is the kinematic viscosity. Equation (1) is combined with the boundary condition

$$u_1|_b = c_1, u_2|_b = c_2 \quad (2)$$

according to which the velocity components at the boundary S of region V , occupied

Card 1/2

L 42406-65
ACCESSION NR: AP5006381

by the moving liquid take on the values α_1 , α_2 . The approximate solution of equation (1) under condition (2) is sought in the form

$$\psi = \psi_0 + a_1 \cdot \psi_1 + \dots + a_n \psi_n \quad (3)$$

These multiple integrals may be calculated on computers using the Monte Carlo method. The method known as sequential pass-band narrowing. This method significantly increases the convergence of the calculation process. Orig. art. has: 10 formulas.

ASSOCIATION: Kafedra teoreticheskoy mehaniki i soprotivleniya materialov,
Ivanovskiy khimiko-tehnologicheskiy institut (Department of Theoretical Mechanics
and Material Testing, Ivanovo Institute of Chemical Technology)

SUBMITTED: 03Jan63

ENCL: 00

SUB CODE: DP, ME

NO REF Sov: 004

OTHER: 000

Cl
Card 2/2

YASINSKIY, G.I., kand. tekhn. nauk, dotsent

Scientific-technical seminar on machining with diamond tools.
Vest. mashinostr. 45 no.5:83-84 My '65. (MIRA 18:6)

VEDMIDSKIY, A.M., kandidat tekhnicheskikh nauk; FREZEROV, G.R., professor,
redaktor; YASINSKIY, G.I., kandidat tekhnicheskikh nauk, retsenzent.

[Technology of manufacturing measuring instruments] Tekhnologija
proizvodstva izmeritel'nykh priborov. Izd. 2-e, perer. i dop.
Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit.lit-ry. Pt.1.1955.
386 p. (MIRA 9:4)

(Measuring instruments)

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962220018-0

YASINSKIY, G.I.

Present trends in the technology of lapping processes. Mashino-
stroitel' no.7:43 J1 '65. (MIRA 18:7)

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962220018-0"

AM4021973

BOOK EXPLOITATION

S/

Dyukov, A. T.; Yasinsky, G. I.

Modern cutting tools in machine building (Progressivnyy rezushchiy instrument v mashinostroyenii), Moscow, Mashgiz, 1963, 153 p., illus., biblio., Errata slip inserted. 5,500 copies printed.

TOPIC TAGS: cutting tool, machine building, cutting tool design, milling cutter, drill, powder-metallurgical hard alloy, diamond cutter, ceramic cutter, carbon steel

PURPOSE AND COVERAGE: This book gives basic information on present-day tool materials and alloys for cutting tools, the selection of geometries and shapes of the cutting part of cutting tools, milling cutters, and drills. The standards that a cutting tool must meet are cited. A review of the most typical designs of advanced cutting tools is included. The sharpening and grinding of cutting tools are discussed. The book is intended for engineers and technicians, production foremen, and skilled workers-innovators of the machine and instrument building industries.

TABLE OF CONTENTS [abridged]:

Foreword -- 5
Cover 172

YASINSKIY, G.I.

High-efficiency designs of metal-cutting tools and the tool
materials; scientific-technological seminar. Stan. i instr.
36 no.11:39 N '65. (MIRA 18:11)

ZHUKOV, A.V., inzh.; YASINSKIY, G.S., inzh.

Pump stations on the "Druzhba" petroleum pipeline.
Stroi. truboprov. 7 no.10:3-5 0 '62. (MIRA 15:11)

1. Gosudarstvennyy institut po proyektirovaniyu magistral'nykh
truboprovodov, Moskva.
(Petroleum--Pipelines)
(Pumping machinery, Electric)

YASINSKIY, G.S.

Efficiency of the transportation of mazuts through pipelines.
Transp. i khran. nefti i nefteprod. no.2:15-17 '64. (MIRA 17:9)

1. Gosudarstvennyy institut po proyektirovaniyu zavodov tyazhelogo
mashinostroyeniya.

YASINSKIY, G.S.

Gas level indicating systems for tanks of the "Druzhba" Petroleum pipeline. Stroi. truboprov. 9 no.5:10-11 My '64. (MIRA 17:9)

1. Gosudarstvennyy institut po proyektirovaniyu magistral'nykh truboprovodov.

YASINSKIY, I.I.

Plant association in the upper floodlands of the Sluch' River.
Biul. Inst. biol. AN BSSR no. 3:40-45 '58. (MIRA 13:7)
(SLUCH' VALLEY--PLANT COMMUNITIES)

YASINSKIY, I.I.

YASINKSIY, I.I. [Yasinskiy, I.I.]

Improvement of bottom-land meadows in the Sluch' Valley. Vestsyi
AN BSSR Ser.bial.nav. no.4:123-131 '58. (MIRA 12:4)
(Sluch' Valley--Pastures and meadows)

YURKEVICH, I.D. [IUrkevich, I.D.], akademik; KRUGANOVA, Ye.A. [Kruhanava, E.A.], kand. biol. nauk; YASINSKIY, I.I. [IASinski, I.I.], mladshiy nauchnyy sotrudnik

Transforming the structure of meadow plant associations by the use of herbicides. Vestsyi AN BSSR. Ser. bial. nav. no.1:17-36 '59.
(MIHA 12:7)

1. AN BSSR (for Yurkevich).
(Herbicides) (Pastures and meadows)

YASINSKIY, I.I.; DENISOV, Z.N., kand.sel'skokhoz.nauk

Some peculiarities of the development of swamps in the flood plain
of the Sluch River. Sbor. bot. rab. Bel. otd. VBO no.2:155-166
'60. (MIRA 15:1)

1. Zaveduyushchiy otdelom lugov i pastbishch Instituta melioratsii,
vodnogo i bolotnogo khozyaystva.
(Sluch Valley--Swamps)

YURKEVICH, I.D.; KRUGANOVA, Ye.A.; YASINSKIY, I.I.

Use of herbicides in hayfields and pastures. Biul. Inst.
biol. AN BSSR no.5:9-16 '60. (MIRA 14:7)
(PASTURES AND MEADOWS)
(WEED CONTROL)

KRUGANOVA, Ye.A.; KIM, G.A.; YASINSKIY, I.I.

Effect of prolonged grazing on the specific composition of grass stands in natural pastures. Biul. Inst. biol. AN BSSR no. 5:17-25 '60. (MIRA 14,7)

(PASTURES AND MEADOWS)
(GRAZING)

YASINSKIY, I.I.

Meadow vegetation in the flood plain of the lower Sluch' Valley.
Biul. Inst. biol. AN BSSR no.5:26-36 '60. (MIRA 14:7)
(SLUCH' VALLEY--PASTURES AND MEADOWS)

KRUGANOVA, Ye.A.; YURKEVICH, I.D.; YASINSKIY, I.I.; BURTYS, N.A.

Poisonous and rare meadow plants in the basin of the Neman River.
Sbor. nauch. rab. Bel. otd. VBO no.3:43-54 '61. (MIRA 14:12)
(Neman Valley—Poisonous plants)

YURKEVICH, I.D.; KRUGANOVA, Ye.A.; YASINSKIY, I.I.

Geobotanical characteristics of meadows of the right bank
tributaries of the Neman River. Biul. Inst. biol. AN BSSR
no. 6:82-93 '61. (MIRA 15:3)
(NEMAN VALLEY--PASTURES AND MEADOWS)

MITUSOV, V.U., inzhener; MOROZOV, I.G., kandidat tekhnicheskikh nauk;
YASINSKIY, K.I., inzhener.

Some unused resources of roadway machinery stations. Put' i put.
khoz. no. 5:31 My '57. (MIRA 10:6)
(Railroads--Maintenance and repair)

I. 09962-67 ENT(m)/ENT(t)/ETI/ENT(k) JD.
ACC NR: AP6035717 (N)

SOURCE CODE: UR/0413/66/000/019/0073/0073

(2)

INVENTOR: Glazunov, S. G.; Zhikharev, I. A.; Khrustsevich, L. A.; Khromov, A. M.;
Yershov, Yu. V.; Yasinskiy, K. K.; Zubova, K. A.

25

ORG: none

TITLE: Melting-pouring unit. Class 31, No. 186647

SOURCE: Izobreteniya, promyshlennyye obraztsey, tovarnyye znaki, no. 19, 1966, 73

TOPIC TAGS: active metal, metal casting, metal vacuum melting, centrifugal casting,
casting unit, vacuum casting unit

ABSTRACT: This Author Certificate introduces a melting-casting unit for centrifugal
casting of reactive metals. The unit consists of a vacuum chamber which contains a
centrifuge with a vertical axis of rotation. The melting crucible is mounted in the
center of the centrifuge; the molds are on the periphery. To ensure continuous
pouring of metal without extinguishing the arc and tilting the crucible, the latter is
provided with side openings connected with an annular collector installed between the
molds and the crucible.

SUB CODE: 13/ SUBM DATE: 28Dec64/ ATD PRESS: 5105

Card 1/1 (a)

UDC: 621.745.552, 042.002.51

YASINSKIY, K.K.

3

S/762/61/000/000/029/029

AUTHORS: Morozov, Ye.I., Ronzhin, A.S., Prostov, I.A., Matveyev, V.S.,
Gurevich, S.M., Didkovskiy, V.P., Yasinckiy, K.K., Usov, V.N.

TITLE: Electroslag smelting of titanium ingots.

SOURCE: Titan v promyshlennosti; sbornik statey. Ed. by S.G.Glazunov.
Moscow, 1961, 314-326.

TEXT: The paper describes a method of electroslag smelting of Ti ingots with desirable mechanical properties and with a surface that requires almost no machining prior to plastic working. The principal objective of the development is the smelting of flat ingots for the rolling of sheet material with uniform transverse distribution of rolling deformation (cylindrical ingots are deformed more greatly at the center; tensile stresses produce edge cracking on the resulting sheets). Several organizations collaborated with the Institute of Electric Welding imeni Ye.O.Paton in 1959 in adapting the splashless electroslag method of Ti smelting (3 electrodes) developed in 1958 to the smelting of slab ingots of up to 200x800x700 mm and 500 kg. Good mechanical properties and high electric-power utilization result from the improved current- and heat-flow uniformity of the arc established underneath the protective flux layer. Since 3, as well as one, electrodes can be employed, the 3 phases of an a.c. power supply can be utilized uniformly. The fused flux layer contributes to the formation of a singularly compact ingot structure. Flux must: (1) Not contain O; (2) have a m.p. close to that of the metal and be readily fusible; (3) have a high b.p.

Card 1/2

Electroslag smelting of titanium ingots.

S/762/61/000/000/029/029

(not less than 2,000°C). Neutral-gas shielding above the flux is mandatory to avoid O reaction. Details of the experiments with various fluxes, which led to the adoption of CaF₂ (brand "Ch") and a purifying remelt of the flux in an induction furnace prior to use, are reported and tabulated. Comparison of BT (VT) -1, -3-1, and -5, OT4, and Ti-8Mn ingots obtained by the electroslag (ES) and vacuum arc (VA) methods. Differences between ES and VA ingots initially observed were found to be attributable to the use of pressed electrodes in the ES method; use of once-VA-melted ingots as starting electrodes in both ES and VA methods yielded BT (VT) and OT ingots of practically identical mechanical properties (described and tabulated). The mechanical properties of the Ti-8Mn were considerably improved by the ES method; this is attributed to the more uniform distribution of the high-vapor-pressure Mn in the ingot under the protection of the flux. The BT (VT) and OT alloys showed either increased strength or impaired notch toughness when smelted under a fluor-spar flux, probably as a result of uncontrollable admixtures contained in the fluor-spar. Furnace: The design of the 3-electrode furnace, with a crystallizer, electrode chamber, flux dispenser, electrode-advance mechanism, protective shield, and power transformer, is described and illustrated (cross-section, photos); its operation and process control are described in detail. A 500-kg ingot shows the result of deliberate manual delays in electrode advance in the form of nonuniformities (photo). Design criteria were obtained for future furnace designs. There are 6 figures, 3 tables, and 2 Russian-language Soviet references identified in footnotes.

Card 2/2

ASSOCIATION: None given.

YASINSKIY, L.I.

✓ Quantitative characteristics of propagation in yeast variety
"Ya" in the production of alcohol from sirup. L. I.
Yasinskij. Trudy Kiev. Filiala Vsesoyuz. Nauch.-Issledo-
vatel. Inst. Spiril. Prom. 1953, No. 1, 102-18; Referat,
Zhur. Khim. 1955, No. 3082.—The study was carried out *Med* /
under lab. conditions by using a sirup of pH 4.25 at 30±
0.05°. The results are reported and their application to in-
dustrial use is discussed. M. Hesch

SADOVNIKOV, V.; YASINOVSKIY, M.; ESTRIN, R.; ABRAMOV, G.; FRIDMAN, Ye.

Technical information. Okhr. truda i sots. strakh. 6 no.8:41-44
Ag '63. (MIRA 16:10)

YASINSKIY, M. A.

YASINSKIY, M. A. -- "Conditions for the Development of Spring Wheat in the Eastern Regions of the USSR and Sowing Time." Min Higher Education USSR. Leningrad Agricultural Inst. Leningrad, 1955. (Dissertation for the Degree of Doctor of Agricultural Sciences.)

SO: Knizhnaya letopis', No. 4, Moscow, 1956

YASINSKIY, P.A.

Concerning V.P.Shafranov's article "Use of asynchronous motors."
Energetik. 13 no.2:17 F '65. (MIRA 18:6)

MAZUR, O.E., inzh.; YASINSKIY, S.I. [JAsyns'kyi, S.I.], mekhanik;
DZYAKAN, I.P., brigadir traktornoy brigady; DOND RATYUK, D.G.
[Kondratiuk, D.H.], mekhanik; STASYUK, G.V. [Stasiuk, H.V.],
mekhanik; KAPITANOY, P.S.

Our discussions. Mekh. sil'. hosp. 12 no.9:22-23 S '61.
(MIRA 14:11)
(Agricultural machinery--Maintenance and repair)

ACC NR: AP6021492 EWT(1)/EWT(m)/T

WILDIANE
SOURCE CODE:

UR/0413/66/000/011/0141/0141

32
31
G

INVENTOR: Yasinskiy, S. Ya.

ORG: none

TITLE: Vortex ejection pump. Class 62, No. 182532

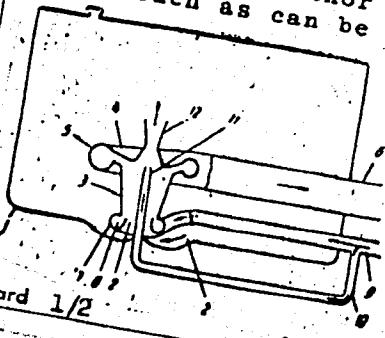
SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki,
no. 11, 1966, 141

TOPIC TAGS: aircraft fuel pump, aircraft fuel system, aircraft fuel
system equipment

ABSTRACT: An Author Certificate has been issued for a vortex ejection
pump, such as can be installed in an aircraft's fuel tank (see Fig. 1).

Fig. 1. Vortex ejection pump

1 - Tank; 2 - annular aperture;
3 - mixing chamber; 4, 5 - diffusor,
fusor, crossing over to the
helix; 6 - supply line; 7, 8 -
helix with annular aperture;
9, 10 - pipe line; 11 - jet
pump; 12 - diffusor.



Card 1/2

UDC: 629.13.01/06 621.524/525

UR/0413/66/000/011/0141/0141

L 31962-66
ACC NR: AP6021492

It consists of intake and discharge helices connected by a cylindrical mixing chamber. Along its axis is mounted a jet pump// to expel separated fumes and gases, and between it and the intake helix is an annular aperture for the supply of the ejected liquid. Orig art. has: 1 figure. [KT]

SUB CODE: 01, 21/ SUBM DATE: 23Sep64/ ATD PRESS: 5022

Card 2/2 LC

ACC NR: AP7005697

(A)

SOURCE CODE: UR/0413/67/000/002/0187/0188

INVENTOR: Abramovich, R. B.; Arinushkin, L. S.; Gorbunov, V. S.; Ivanov, Yu. P.;
Yasinskiy, S. Ya.

ORG: None

TITLE: An electrically driven pump assembly for flushing systems such as those used
in the washrooms on passenger aircraft. Class 62, No. 152798

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 187-188

TOPIC TAGS: sanitary equipment, auxiliary aircraft equipment, water pump

ABSTRACT: This Author's Certificate introduces: 1. An electrically driven pump
assembly for flushing systems such as those used in the washrooms on passenger air-
craft. The installation consists of an electric motor and a pump. Operational reli-
ability is improved by keeping corrosive sewage away from the motor. The motor is lo-
cated at a distance from the pump on a rigid hollow column above the flush tank. The
motor is connected to the pump through an intermediate drive located in the standing
column. This drive consists of two shafts pinned together and connected by splines
to the motor and the pump. 2. A modification of this assembly in which the column is
equipped with an overflow tube connected to the tank for maintaining the proper level
of flushing liquid in the column.

SUB CODE: 13/ OI/ SUBM DATE: 25Feb62

Card 1/1

YUDIN, Yefrem Markovich; VASIL'KIV, S. V., inzhener, retezentsent; ROMBELIT,
Ya. M., inzhener, redaktor; BOGOMOLOVA, M. T., redaktor; LEBEDEN, L. A.,
tekhnicheskiy redaktor

[Gear pumps; basic parameters and their design] Shesterennye nasosy;
osnovnye parametry i ikh raschet. Moskva, Gos. izd-vo obor. promyshl.,
1957. 141 p.
(Pumping machinery)

L 34818-66 EWT(1)/EWT(m)/T-2 WW/DJ/WE SOURCE CODE: UR/0413/66/000/011/0141/0141
ACC NR: AP6021491 44

INVENTOR: Yasinskiy, S. Ya.; Polinovskiy, A. Yu.; Linets, A. M.; Moskovskiy, V. D.

ORG: none 42

TITLE: Aircraft-engine fuel-feed system. Class 62, No. 182531 B

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 141

TOPIC TAGS: aircraft engine, aircraft fuel system

ABSTRACT: An Author Certificate has been issued for an aircraft-engine fuel-feed system which consists of: a tank, an ejector pump with a jet nozzle, and an electrically driven pump for the first pumping stage; a centrifugal pump for the second

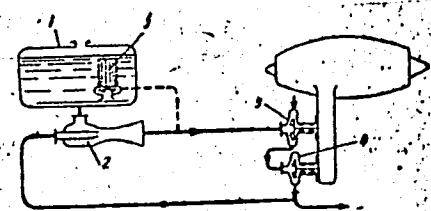


Fig. 1. Aircraft fuel-supply system

1 - Fuel tank; 2 - ejector pump; 3 - centrifugal pump; 4 - booster pump; 5 - electrically driven pump.

pumping stage; a booster pump having a by-pass with a constant flow rate for using UDC: 629.13.06
Card 1/2

L 34818-66

ACC NR: AP6021491

2

part of the fuel for cooling, and fuel lines (see Fig. 1). To increase economy, decrease weight, and improve the engine's acceleration, the jet nozzle of the ejector pump is connected by a line to the by-pass line of the booster pump, and the outlet line of the electrically driven pump is connected into the main line between the ejector pump and the centrifugal pumps. Orig. art. has: 1 figure. [WH]

SUB CODE: 21/ SUBM DATE: 19May65/ ATD PRESS: 5131

Card 2/2 30

YASINSKIY, TS.V., aspirant (Vinnitsa)

Method for a more extensive study of mortality in hypertension.
Sov.zdrav. 21 no.8:26-30 '62. (MIRA 15:11)

1. Iz kafedry organizatsii zdravookhraneniya (zav. - prof. L.G. Lekarev) Vinnitskogo meditsinskogo instituta imeni N.I.Pirogova.
(HYPERTENSION)

YASINSKIY, V.S., kandidat tekhnicheskikh nauk; PETRUSHA, A.K., kandidat tekhnicheskikh nauk; MISCHENKO, I.S., inzhener.

Automatic machine-tool line for the production of crate boards.
Der.prom. 5 no.2:6 F '56. (MLRA 9:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanicheskoy obrabotki drevesiny (for Yasinskiy, Petrusha); 2. Kiyevskiy derevoobrabatyvayushchiy kombinat (for Mishchenko)
(Container industry) (Assembly line methods)

YASINSKIY

DEMCHENKO, D.V.; KATAYEVA, Ye.I.; YASINSKIY, V.S.

Allowances in woodworking. Der. prom. 7 no.2:1-3 P '58. (MIRA 11:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanicheskoy
obrabotki drevesiny.

(Woodworking)

YASINSKIY, V.S., kand.tekhn.nauk

Investigating the efficiency of drying wood in boards or lumber.
(MIRA 12:8)
Der.prom. 8 no.6:14-16 Je '59.

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(Lumber--Drying)

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Der.prom. 9 no.8:7-8 Ag '60. (MIRA 13:8)
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(Lotus)

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1. Nachal'nik tsekha podlakovoy rospisi arteli "Khudozhprom,"
Kiyev (for Melamud).
(Ukraine--art industries)

SEPPI, I.V.; MELIKISHVILI, G.A.; YASINSKIY, Ye.Ye.

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Zhur. mikrobiol., epid. i imm. 41 no. 2:148 F '64.
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TSYGANKOV, G.M., doktor med.nauk, YASINSKIY, Ye.Ye.

Epidemiology and clinical picture of epidemic serous meningitis.
Klin.med. 36 no.9:124-130 S'58 (MIRA 11:10)
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NYAMURA, A.A. [Nemura, A.]; YASINYAVICHENE, G.M. [Jusinoviciene, G.]

Circuit for a computer for determining the coefficient of variation.
Trudy AN Lit. SSR Ser. B no.4:173-180 '62.

(MIRA 18:3)

1. Institut energetiki i elektrotekhniki AN Litovskoy SSR.

ACC NR: AR6035238

SOURCE CODE: UR/0372/66/000/008/G028/G028

AUTHOR: Vosilyus, S. K.; Yasinyavichus, R. Yu.

TITLE: Mathematical structure of an operational device for the automatic recognition system of typewriter symbols

SOURCE: Ref. zh. Kibernetika, Abs. 8G178

REF SOURCE: Sb. Avtomatika i vychisl. tekhn. Vil'nyus, 1965, '71-77

TOPIC TAGS: mathematic analysis, recognition process, recognition, probability, noise, noise distribution, automatic recognition, pattern recognition, character reading equipment

ABSTRACT: The operational device evaluates the proximity of a sign to a certain class according to the probability value of one sign or another at a given application of the signal. The sequence of signals, derived from the symbol for recognition is analyzed as a mixture of the standard specimen of a certain class with noise. The tests indicated that for typewriter symbols, whose signals are presented in a analog form, the supposition is correct concerning the normal law of noise distribution. When a code presentation of the pattern signal is used, the probability density of noise is uniform. Formulas are derived for the posteriori probabilities and

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